

- (b) a ventricular lead having ventricular electrodes comprising a ventrical tip electrode and a ventrical ring electrode electrically coupled thereto;*
- (c) pacing means for providing a pacing stimulus to at least one of an atrium or ventricle of a heart, said pacing means electrically coupled to at least one of said atrial lead and said ventricular lead;*
- (d) sensing means for sensing a response evoked by the pacing stimulus, said sensing means electrically coupled to at least one of said atrial lead and said ventricular lead*
said sensing means including multiple independent blanking switches corresponding to independent electrodes;
- (e) an indifferent electrode and an electrically conductive can that contains the pacing and sensing means, said indifferent electrode being positioned on the can;*
- (f) afterpotential attenuation means for attenuating afterpotentials which result due to the application of the pacing stimulus to the heart by said cardiac pacing system, said afterpotential attenuation means being electrically coupled to said pacing means and having a reduced coupling capacitance of less than 5 microfarads; and*
- (g) wherein the evoked response is sensed between any two of said electrodes.*

*Sub 1
X 2*
11(Three Times Amended). The cardiac pacing system as recited in claim 1, wherein the signal associated with the evoked response is sensed between the atrial tip electrode and the electrically conductive housing of the cardiac pacing system.

*Sub 1
X 2*
12(Three Times Amended). The cardiac pacing system as recited in claim 1, wherein the signal associated with the evoked response is sensed between the atrial ring electrode and the electrically conductive housing of the cardiac pacing system.

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14(Three Times Amended). The cardiac pacing system as recited in claim 1, wherein the signal associated with the evoked response is sensed between the ventricular ring electrode and the electrically conductive housing of the cardiac pacing system.

15(Three Times Amended). The cardiac pacing system as recited in claim 1, wherein the signal associated with the evoked response is sensed between the ventricular tip electrode and the electrically conductive housing of the cardiac pacing system.

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19. (Four Times Amended) A cardiac pacing system for use with unipolar or bipolar atrial and ventricular pacing and sensing leads, said cardiac pacing system including:

- (a) an atrial lead having atrial electrodes comprising an atrial tip electrode and an atrial ring electrode electrically coupled thereto;
- (b) a ventricular lead having ventricular electrodes comprising a ventricular tip electrode and a ventricular ring electrode electrically coupled thereto;
- (c) a pacing circuit including a pacing charge storage capacitor that provides a pacing stimulus to at least one of an atrium or ventricle of a heart, said pacing circuit electrically coupled to at least one of said atrial lead and said ventricular lead;
- (d) a sensing circuit that senses a response evoked by the pacing stimulus, said sensing circuit electrically coupled to at least one of said atrial lead and said ventricular lead, said sensing circuit including multiple independent blanking switches corresponding to independent electrodes;
- (e) an indifferent electrode and an electrically conductive can that contains the pacing and sensing means, said indifferent electrode being positioned on the can;
- (f) coupling capacitors electrically coupled together wherein a capacitance of the